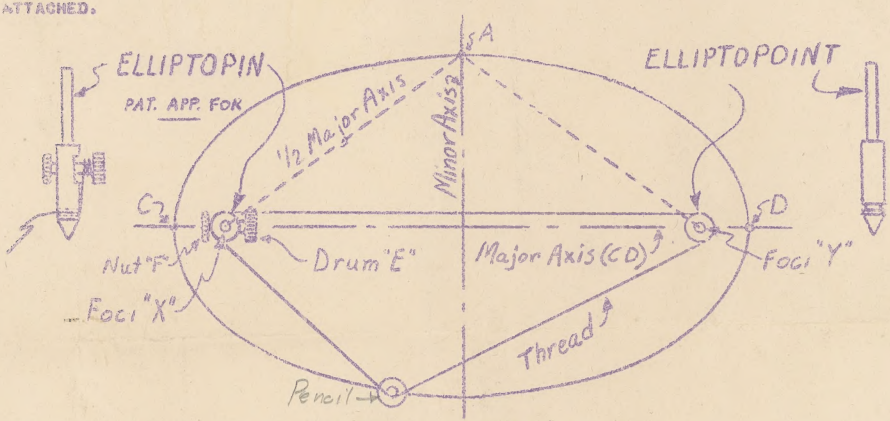
AN EASY WAY TO DRAW A TRUE ELLIPSE

WITH A HILSTROM ELLIPTOPIN & ELLIPTOPOINT USING ANY KNUCKLE JOINTED COMPASS OR TRAMMEL. MINIMUM SIZE 5/8" MAJOR AXIS, 1/2" MINOR AXIS. MAXIMUM SIZE - ANY SIZE WITHIN THE SCOPE OF THE INSTRUMENT TO WHICH THE ELLIPTOPIN IS ATTACHED.



INSTRUCTIONS

1. REMOVE LEAD FROM COMPASS AND INSERT ELLIPTOPIN WITH DRUM "E" TOWARDS INSIDE.
2. REMOVE PIN FROM COMPASS AND INSERT ELLIPTOPOINT.
3. LOCATE FOCI "X" AND "Y" BY LAYOFF OF 1/2 OF THE MAJOR AXIS (CD) FROM POINT "A" TO THE INTERSECTION OF THE MAJOR AXIS (CD).
4. PLACE THE ELLIPTOPIN ON FOCI "X" AND THE ELLIPTOPOINT ON POINT "D" THEN TIGHTEN THE THREAD BY TURNING DRUM "E" AND LOCK BY TIGHTENING NUT "F". BE SURE THAT THE THREAD STRADDLES THE ELLIPTOPOINT AND THE ELLIPTOPIN.
5. NOW PLACE THE ELLIPTOPOINT ON FOCI "Y" AND SCRIBE THE ELLIPSE BY STARTING CLOCKWISE FROM POINT "C" USING ANY SHORT PENCIL WITH A GROOVE IN THE LEAD 1/4" UP FROM THE POINT. THE GROOVE IN THE LEAD MAY BE CUT WITH A PAIR OF SCISSORS.

ALWAYS KEEP BOTH THE COMPASS AND PENCIL 90° FROM THE PAPER

ELLIPTOPIN	PRICE $1.00
ELLIPTOPOINT	PRICE .25